

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MANGU KANG, ET AL.

Application No.:

Filed:

For: **dye-sensitized solar cells including liquid type imidazolium electrolyte**

Art Group:

Examiner:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted concurrently with the Utility Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

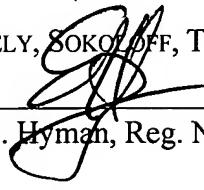
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Date: 4/15/09

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP


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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p>	
Sheet	1	of	2	Application Number	
				Filing Date	
				First Named Inventor	Mangu Kang
				Art Unit	
				Examiner Name	
				Attorney Docket Number	51876P609

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Mangu Kang
Art Unit	
Examiner Name	
Attorney Docket Number	51876P609

NON PATENT LITERATURE DOCUMENTS

Examiner Signature	Date Considered
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**Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.*

¹Applicant's unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 08/11/2003.
Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Information Disclosure Statement

New U.S. Patent Application for
DYE-SENSITIZED SOLAR CELLS
INCLUDING LIQUID TYPE IMIDAZOLIUM ELECTROLYTE
Our Ref. No.: P03EB024/US/jy

Reference No.:

- (1) KR Laid-Open No. 2003-65957
- (2) KR Laid-Open No. 2003-32538
- (3) KR Laid-Open No. 2002-78291
- (4) US Patent No. 6,245,988
- (5) US Patent No. 4,927,721
- (6) US Patent No. 5,728,487
- (7) JP Laid-Open No. 2001-160426
- (8) JP Laid-Open No. 2001-160427

- (9) A low-cost high-efficiency solar cell based on dye-sensitized colloidal TiO₂ films (*Nature*, Vol. 353, No. 24, October 1991, Pages 737-739)

- (10) Hydrophobic, Highly Conductive Ambient-Temperature Molten Salts (*Inorg. Chem.* Vol. 35, 1996, Pages 1168-1178)

- (11) Nanocrystalline Titanium Oxide Electrodes for Photovoltaic Applications (*J.Am. Ceram. Soc.* Vol. 80, No. 12, 1997, Pages 3157-3171)

- (12) Influence of Electrolytes on the photovoltaic performance of organic dye-sensitized nanocrystalline TiO₂ solar cells
(*Solar Energy Materials & Solar Cells*, Vol. 70, 2001, Pages 151-161)